

CLAIMS

1. A cell-containing preparation comprising a cell which has a DNA having a base sequence represented by SEQ ID NO: 1 or 2 or a DNA hybridizable with a DNA having a base sequence represented by SEQ ID NO: 1 or 2 under stringent conditions and a fibrous protein.

2. The cell-containing preparation according to claim 1, wherein the cell is an epithelial cell of the oral mucosa, a skin cell or a fibroblast.

3. The cell-containing preparation according to claim 1 or 2, wherein the fibrous protein is collagen.

4. The cell-containing preparation according to any one of claims 1 to 3, wherein the cells are deposited on the surface of the fibrous protein.

5. The cell-containing preparation according to any one of claims 1 to 4, wherein the cell is a transformant.

6. The cell-containing preparation according to claim 5, wherein the transformant is transformed with a recombinant expression vector.

7. The cell-containing preparation according to claim 6, wherein the recombinant expression vector is adeno-associated virus (AAV), retrovirus, poxvirus, herpes virus, herpes simplex

virus, lentivirus (HIV), Sendai virus, Epstein-Barr virus (EBV), vaccinia virus, polio virus, sindbis virus, SV40 or plasmid.

5 8. The cell-containing preparation according to any one of claims 1 to 7 capable of forming a peptide encoded by a DNA having a base sequence represented by SEQ ID NO:1 or 2, or by a DNA hybridizable with a DNA having a base sequence represented by SEQ ID NO:1 or 2 under stringent conditions.

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9. The cell-containing preparation according to any one of claims 1 to 8 further containing a mesh sheet comprising a biodegradable resin.

15 10. The cell-containing preparation according to claim 9, wherein the biodegradable resin is polyglycolic acid.

11. The cell-containing preparation according to any one of claims 1 to 10, which is an anticancer agent or a cancer
20 metastasis inhibitor.

12. The cell-containing preparation according to claim 11, which is an anticancer agent or a metastasis inhibitor for ovarian cancer, pancreatic cancer, stomach cancer, gall bladder cancer,
25 kidney cancer, prostate cancer, breast cancer, esophageal cancer, liver cancer, oral cavity cancer, colon cancer, large intestine cancer, sarcoma, glioma or melanoma.

13. The cell-containing preparation according to any one

of claims 1 to 10, which is an angiogenesis inhibitor.

14. A method for inhibiting growth, invasion and metastasis of cancers or for inhibiting angiogenesis, which comprises
5 administering the cell-containing preparation according to any one of claims 1 to 13 to a mammal.

15. A method for producing a cell-containing preparation, which comprises culturing a cell on the surface of a fibrous
10 protein and transforming the cultured cells with a recombinant expression vector comprising a DNA having a base sequence represented by SEQ ID NO:1 or 2, or with a recombinant expression vector comprising a DNA hybridizable with a DNA having a base
15 sequence represented by SEQ ID NO:1 or 2 under stringent conditions.

16. A method for producing a cell-containing preparation, which comprises preparing a fibrous protein sheet by coating
a fibrous protein onto a mesh sheet comprising a biodegradable
20 resin; culturing a cell on the surface of the fibrous protein sheet obtained; and transforming the cultured cells with a recombinant expression vector comprising a DNA having a base sequence represented by SEQ ID NO:1 or 2, or with a recombinant
expression vector comprising a DNA hybridizable with a DNA having
25 a base sequence represented by SEQ ID NO:1 or 2 under stringent conditions.

17. A method for producing a cell-containing preparation, which comprises transforming the cells with a recombinant

expression vector comprising a DNA having a base sequence represented by SEQ ID NO:1 or 2, or with a recombinant expression vector comprising a DNA hybridizable with a DNA having a base sequence represented by SEQ ID NO:1 or 2 under stringent
5 conditions, and mixing the resulting transformant cells with a fibrous protein.